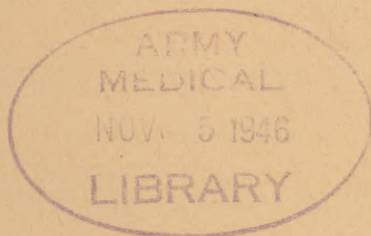


JAPANESE MEDICAL MATERIAL

DYSENTOL

(Tablets of Matrine and Phenolsulfonate Salts)



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MEDICAL ANALYSIS SECTION  
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APO 500



11 July 1946

DYSENTOL

(Tablets of Matrine and Phenolsulfonate Salts)

SOURCE: Tokyo, Japan.

IMPORTANCE: Not previously reported. A preparation of an alkaloid reported to possess curative properties in bacillary and amoebic dysentery. The use of matrine for dysentery is not recorded in available standard American references.

DESCRIPTION: Twenty yellowish tablets (0.3 gm. each) are packaged in a wooden vial.

SUMMARY OF GENERAL INFORMATION: Dysentol contains the alkaloid matrine,  $C_{15}H_{24}N_2O$ , extracted from *Sophora angustifolia*, combined with phenolsulfonate salts. Dysentol is available in vials only, each containing 20 tablets.

While phenolsulfonate salts and their uses are recorded in American literature, the use of matrine for the treatment of dysentery is novel. This alkaloid is claimed to effect the rapid cure of dysentery, whether it be of bacillary or amoebic origin. It is also reported to possess powerful anthelmintic properties. Adult therapy lasts for 5 to 7 days, during which the average dose is 2 to 3 tablets administered 3 or 4 times daily after meals.



A translation of the literature enclosed with this product is part of this report and includes information on the ingredients and properties, indications, directions for use, dosage table, packaging and manufacturer.

PHOTOGRAPHS: Figure 1 - Closed container of Dysentol

Figure 2 - Opened package and tablets of Dysentol

Figure 3 - Dysentol literature



Figure 1 - Closed container of Dysentol

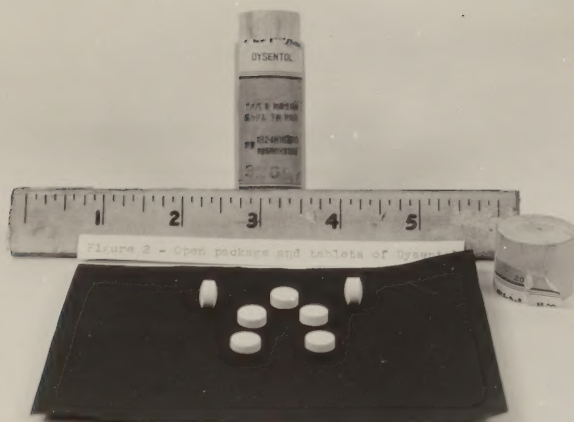


Figure 2 - Open package and tablets of Dysentol



細菌性赤痢並アメーバ赤痢、腸カタル及下痢特效藥

## ヂゼントール「ヤナギ」

DYSENTOL

### 成分及性状

本劑は細菌性赤痢並に胃腸疾患に特效を呈する *Cochlosoma angustifolia* の有効成分 Matrin  $C_{15}H_{21}N_2O$  なるアルカロイドに腸防腐消毒並に異常酸酵防止作用を有するフェノールスルフオン酸鹽類を結合せしめたる特殊治療劑にして雑苦味を有する錠劑なり。

本劑の主成分たる Matrin  $C_{15}H_{21}N_2O$  アルカロイドは細菌性赤痢及びアメーバ赤痢に對して極めて迅速なる醫治作用を發揮するばかりでなく且亦強力なる驅蟲作用を有することが發見され健胃、驅蟲兩作用を兼ねる成分として醫療界に於て非常なる反響を惹起せるものなり。尙本成分は以上の外に肝臟炎、肝膿瘍、結腸炎、腸カタル、胃酸過多症等他の胃腸病にも極めて特異なる効力を有することが發見され、これ等の諸疾患にも汎く實用さるゝに至れり。

ヂゼントールはこの主成分の外に腸防腐消毒作用を有するフェノールスルフオン酸鹽類を結合せしめたるを以てこれ等諸成分の相乗作用に基き腸内異常酸酵及下痢等にも極めて有効なる藥理作用を營み極めて迅速的確なる効力を呈す。

尙本劑は何等の毒性なく服用後嘔吐、惡心、胃腸麻痺等の副作用を醸すことなし。

### 適應症

細菌性赤痢、アメーバ赤痢、腸カタル、下痢、肝臟炎、肝膿瘍、粘液性結腸炎、胃酸過多、腸内異常酸酵、其他の胃腸疾患、驅蟲

### 用法及用量

大人	一日三—四回	一回二—三錠宛食後服用	五—七日連用
一四—七歳	一日三—四回	一回一—二、五錠	
六—四歳	一日三—四回	毎回一錠	
三—二歳	一日三—四回	〃 二分ノ一錠	
一歳以下	一日三—四回	〃 六分ノ一錠	

### 包裝

每管二〇錠



## TRANSLATION OF LITERATURE ACCOMPANYING DYSENTOL "YANAGI"

### DYSENTOL "YANAGI"

(Special Efficacious Preparation for Bacillary  
Dysentery, Amebic Dysentery, Intestinal Catarrh  
and Diarrhea)

#### Ingredients and Properties:

This special therapeutic preparation has as its main ingredients the alkaloid Matrine  $C_{15}H_{24}N_2O$  from Sophora Angustifolia, especially effective in bacillary dysentery and gastro-enteric disorders, combined with phenolsulfonate salts possessing an intestinal anti-putrefactive and disinfectant action and a remarkable anti-fermentative action. It is a tablet preparation with a slightly bitter taste.

The alkaloid Matrine  $C_{15}H_{24}N_2O$ , which is the main ingredient, not only has an extremely speedy curative action in bacillary and amebic dysentery but it possesses a powerful anthelmintic action and its additional action as a peptic and anthelmintic has elicited extraordinary comment within medical circles. This drug is also very effective in hepatitis, colonitis, intestinal catarrh, gastric hyperacidity and other gastro-enteric disorders and is being widely praised by many patients.

Besides this main ingredient Dysentol contains phenolsulfonate salts possessing an intestinal anti-putrefactive and disinfectant action and the multiple actions of these ingredients make this drug a positive, speedy and very effective medication in abnormal intestinal fermentation and diarrhea.

This drug is non-toxic and does not cause any secondary reactions such as vomiting, nausea, or gastro-enteric obstructions.

#### Indications:

Bacillary dysentery  
Amebic dysentery  
Intestinal catarrh  
Diarrhea  
Hepatitis  
Ulcer of the liver  
Mucous colonitis  
Gastric hyperacidity  
Abnormal intestinal fermentation  
Round worms

#### Directions and dosages:

Adults - 2 to 3 tablets 3 or 4 times per day after meals.  
Continue for 5 to 7 days.

7 - 14 years - 1 to  $1\frac{1}{2}$  tablets 3 to 4 times per day.  
4 - 6 years - 1 tablet - 3 to 4 times per day.  
2 - 3 years -  $\frac{1}{2}$  tablet - 3 to 4 times per day.  
1 year -  $\frac{1}{6}$ th tablet - 3 to 4 times per day.



Packaging:

20 Tablets per vial

Manufactured and Sold by:

Ryukan Pharmaceutical Manufacturing Co., Ltd.  
Keijin Sen, Susa